

AUS920040004US1

Gallagher et al.

Method, System, and Computer Program Product for Dynamically Selecting  
Software Buffers for Aggregation According to Current System Characteristics

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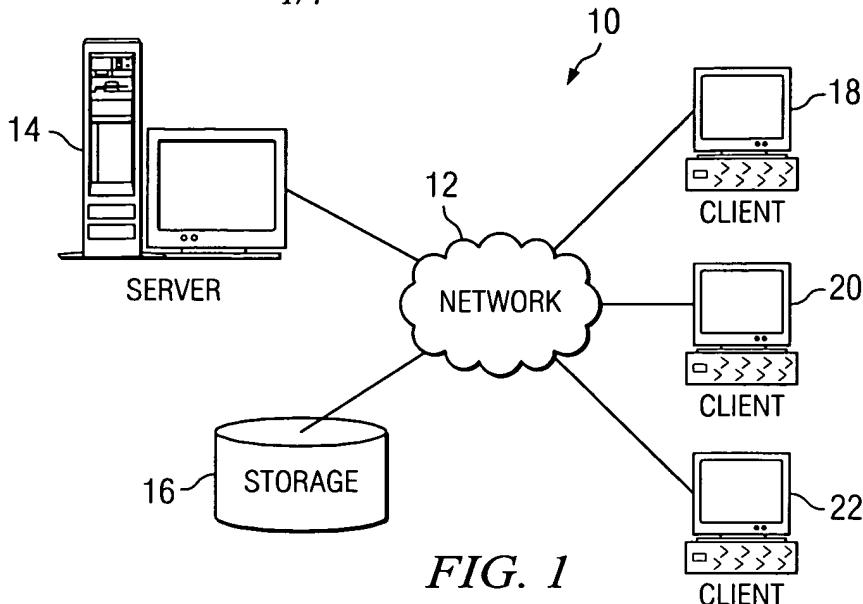


FIG. 1

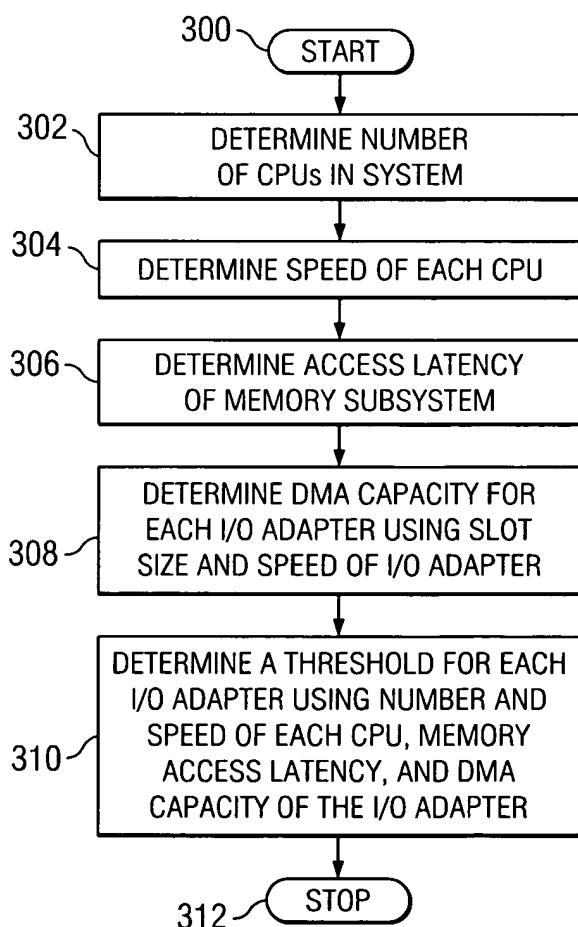


FIG. 3

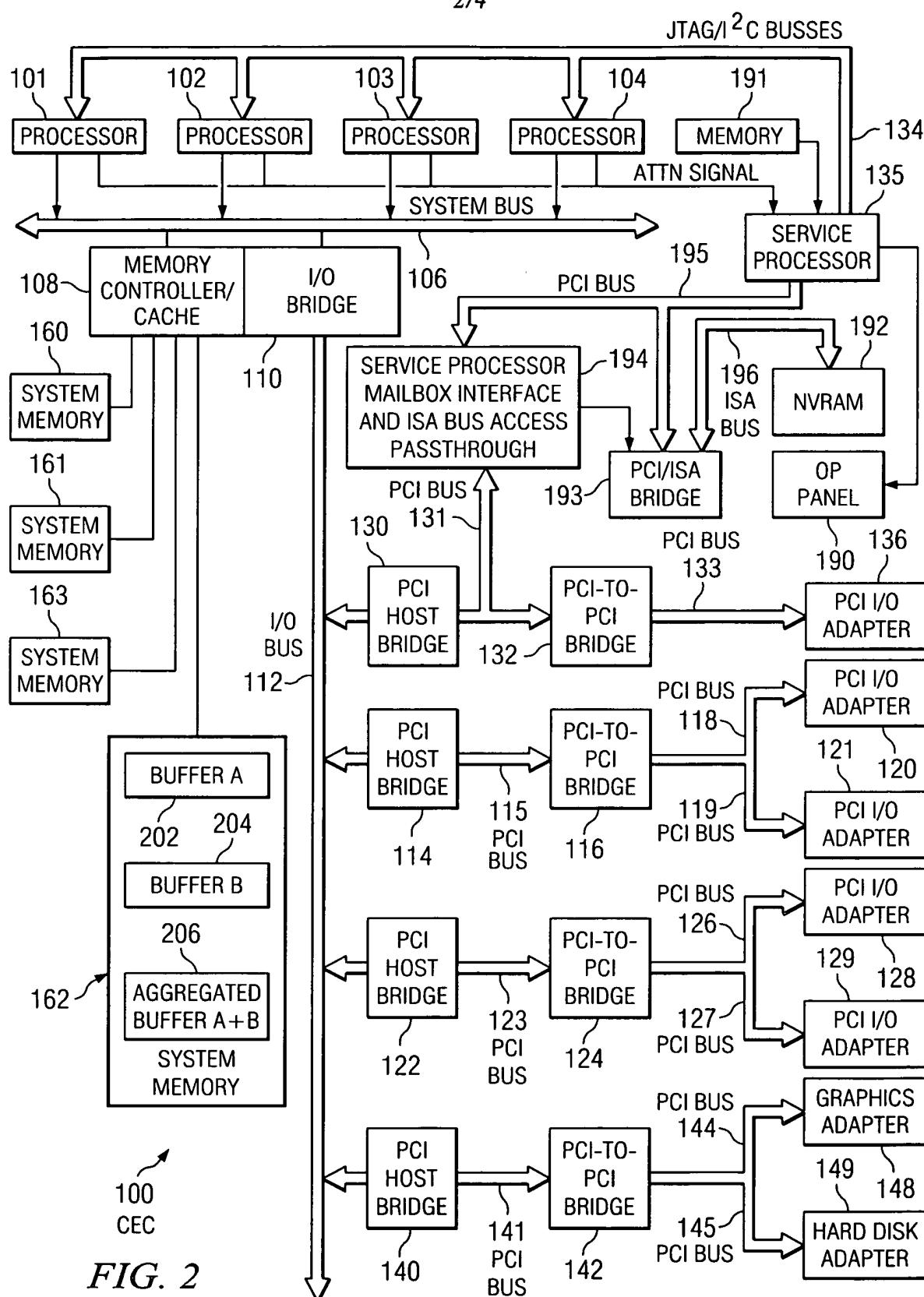


FIG. 2

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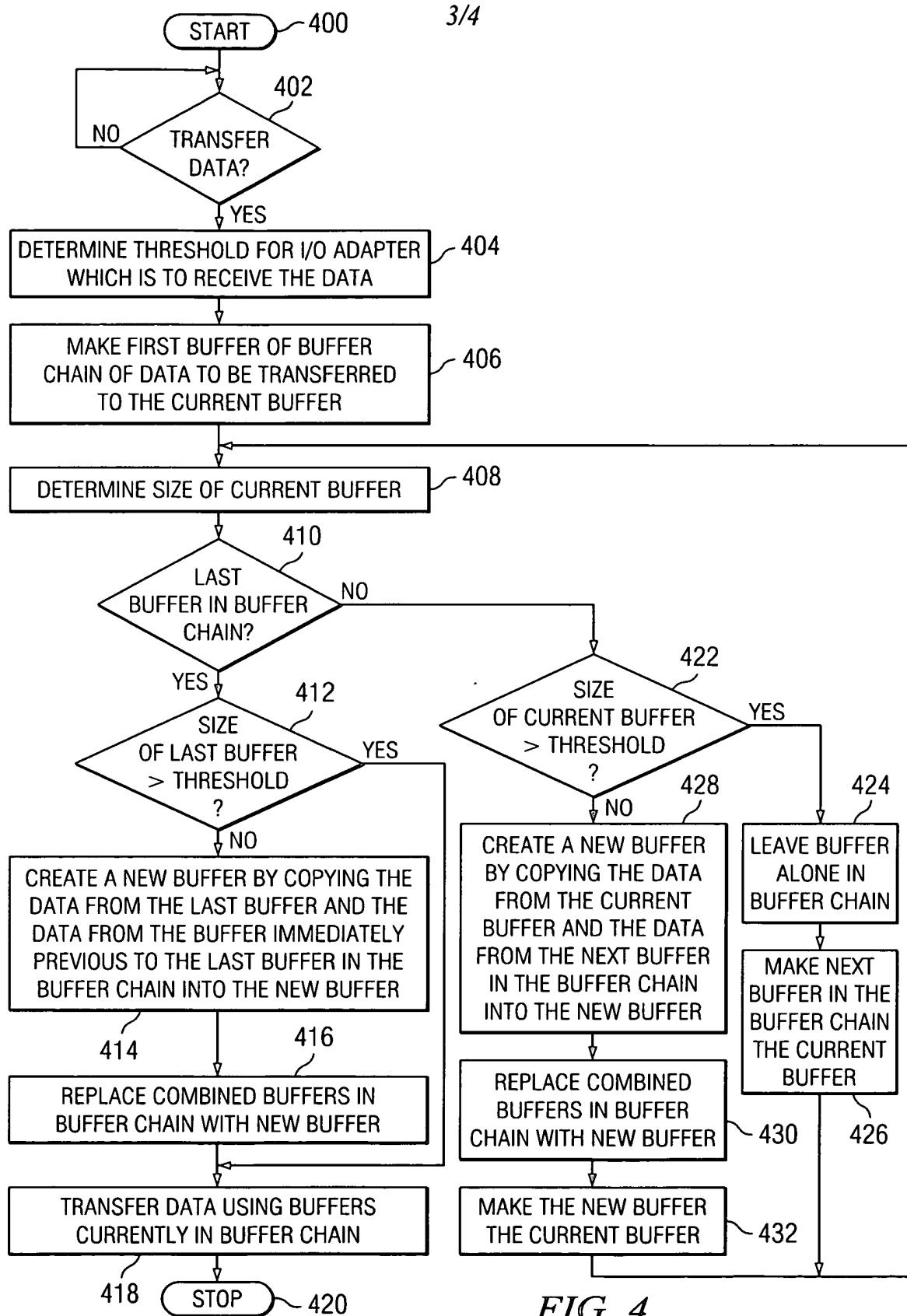


FIG. 4

| CPU    |             | MEMORY<br>ACCESS<br>LATENCY | DMA CAPABILITY |         | AGGREGATION<br>THRESHOLD |
|--------|-------------|-----------------------------|----------------|---------|--------------------------|
| NUMBER | SPEED       |                             | WIDTH          | SPEED   |                          |
| 4      | 1.45<br>MHz | 5<br>MICROSECONDS           | 32<br>BITS     | 33 MHz  | 2049 BYTES               |
|        |             |                             |                | 66 MHz  | 1792 BYTES               |
|        |             |                             |                | 133 MHz | 1408 BYTES               |
|        |             |                             | 64<br>BITS     | 33 MHz  | 1792 BYTES               |
|        |             |                             |                | 66 MHz  | 1408 BYTES               |
|        |             |                             |                | 133MHz  | 1025 BYTES               |
|        |             |                             |                |         |                          |

FIG. 5

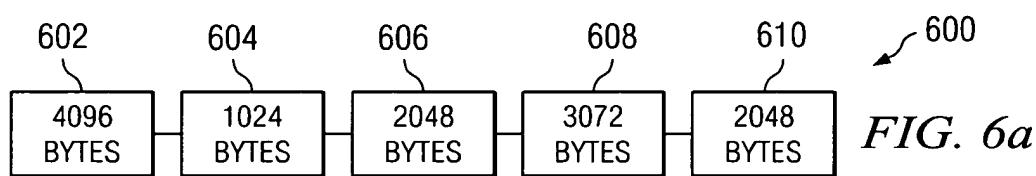


FIG. 6a

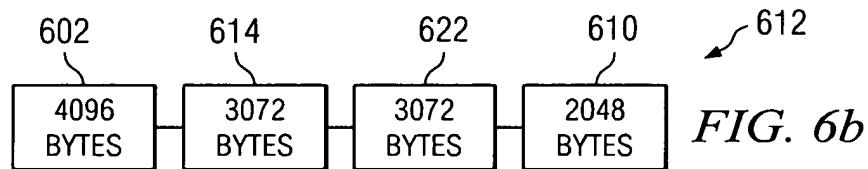


FIG. 6b

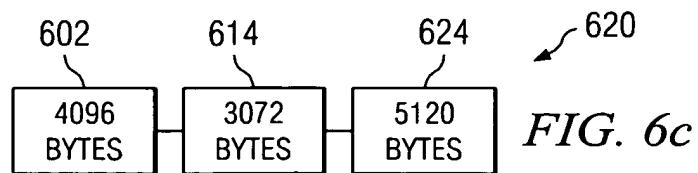


FIG. 6c